

Title (en)
ENZYMATIC PRODUCTION OF PERACIDS USING PERHYDROLYTIC ENZYMES

Title (de)
ENZYMATISCHE HERSTELLUNG VON PERSÄUREN UNTER VERWENDUNG PERHYDROLYTISCHER ENZYME

Title (fr)
PRODUCTION ENZYMATIQUE DE PERACIDES UTILISANT DES ENZYMES PERHYDROLYTIQUES

Publication
EP 1877566 B1 20090218 (EN)

Application
EP 06751832 A 20060428

Priority
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• US 67611605 P 20050429

Abstract (en)
[origin: WO2006119060A1] A process is provided to produce a concentrated aqueous peracid solution in situ using at least one enzyme having perhydrolase activity in the presence of hydrogen peroxide (at a concentration of at least 500 mM) under neutral to acidic reaction conditions from suitable carboxylic acid esters (including glycerides) and/or amides substrates. The concentrated peracid solution produced is sufficient for use in a variety of disinfection and/or bleaching applications.

IPC 8 full level
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Cited by
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WO 2006119060 A1 20061109; CN 101166828 A 20080423; CN 101166828 B 20140305; DE 602006005234 D1 20090402; EP 1877566 A1 20080116; EP 1877566 B1 20090218; US 2007105740 A1 20070510; US 2010016429 A1 20100121; US 7612030 B2 20091103; US 8163801 B2 20120424

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